

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6925033

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
VIOREL PETRARIU	09/07/2021
JONATHAN RICHARD CHITTENDEN	09/16/2021
JAMES JAY CRESS	09/17/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CATERPILLAR INC.
<b>Street Address:</b>	100 NE ADAMS STREET
<b>City:</b>	PEORIA
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	61629
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17478421
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(309)675-1236
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	3176302802
<b>Email:</b>	jyates@bscattorneys.com
<b>Correspondent Name:</b>	CATERPILLAR, INC./BRANNON SOWERS & CRACRAFT PC
<b>Address Line 1:</b>	47 S. MERIDIAN
<b>Address Line 2:</b>	SUITE 400
<b>Address Line 4:</b>	INDIANAPOLIS, INDIANA 46204
<b>ATTORNEY DOCKET NUMBER:</b>	21-0367US01
<b>NAME OF SUBMITTER:</b>	JONATHAN F. YATES
<b>SIGNATURE:</b>	/Jonathan F. Yates/
<b>DATE SIGNED:</b>	09/20/2021
<b>Total Attachments: 4</b>	
source=210367US01USPatentApplicationAssignment#page1.tif	
source=210367US01USPatentApplicationAssignment#page2.tif	
source=210367US01USPatentApplicationAssignment#page3.tif	



## ASSIGNMENT

WHEREAS We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

PRECHAMBER SPARKPLUG ASSEMBLY HAVING SPARKPLUG HOUSING STRUCTURED FOR LIQUID COOLING

for which We will or have filed a patent application; and

WHEREAS, **Caterpillar Inc.**, a corporation of **the State of Delaware**, having an address at **100 NE Adams Street, Peoria, Illinois 61629-9510** (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, and in and to the patent application for this invention and any and all patents to be issued upon this application throughout the world;

NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all patents which may be granted thereon, and all reissues thereof, as well as all rights to claim priority in any country or jurisdiction or patent office on the basis of this application, and all applications for patents which may hereafter be filed for this invention in any country or jurisdiction or patent office and all patents which may be granted on this invention in any country or jurisdiction or patent office, and all extensions, renewals, and reissues thereof; and I hereby authorize and request any official of any country or jurisdiction or patent office whose duty it is to issue patents on applications as described above, to issue all patents for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in any country or jurisdiction or patent office, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

AND, WE HEREBY authorize Assignee or the attorneys/representatives of Assignee to insert here in parentheses the country, application number, and official filing date (US Application No. 17/478,421, filed August 25, 2021).

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Viorel Petrariu	ASSIGNOR'S SIGNATURE <i>Viorel Petrariu</i>	DATE 09/07/2021
ADDRESS 809 Clydesdale Dr, Lafayette IN, 47905		CITIZENSHIP US

1. WITNESS NAME <i>Twilla Boyles</i>	WITNESS SIGNATURE <i>Twilla Boyles</i>	DATE 9-7-21
ADDRESS <i>808 Clydesdale Dr, Lafayette, IN, 47905</i>		CITIZENSHIP US


2. WITNESS NAME <i>Monica Petrariu</i>	WITNESS SIGNATURE <i>MPetrariu</i>	DATE 9-7-21
ADDRESS <i>809 Clydesdale Dr, Lafayette, IN 47905</i>		CITIZENSHIP US

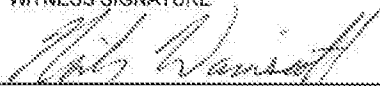
SOLE/JOINT INVENTION  
(Worldwide Rights)  
Attorney Docket No. 21-0367US01

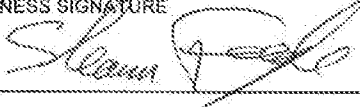
2. FULL NAME OF SOLE OR SECOND ASSIGNOR	ASSIGNOR'S SIGNATURE	DATE
Jonathan Richard Chittenden	<i>Jonathan Chittenden</i>	16 SEP 2021
ADDRESS		CITIZENSHIP
3447 Burnley Drive, West Lafayette, IN 47906		US

1. WITNESS NAME	WITNESS SIGNATURE	DATE
Paul Smallidge	<i>Paul Smallidge</i>	16-SEP-2021
ADDRESS		CITIZENSHIP
3348 HUMPHREY ST, WEST LAFAYETTE, IN 47906		US

2. WITNESS NAME	WITNESS SIGNATURE	DATE
Justin Wolcott	<i>Justin Wolcott</i>	16-SEP-2021
ADDRESS		CITIZENSHIP
415 South 6th Street, Lafayette, IN 47901		US

3. FULL NAME OF THIRD ASSIGNOR James Jay Cress	ASSIGNOR'S SIGNATURE 	DATE 9/17/21
ADDRESS 786 N 400 W, West Lafayette, IN 47906		CITIZENSHIP US USA

1. WITNESS NAME Nick Wainscott	WITNESS SIGNATURE 	DATE 9/17/21
ADDRESS 7501 N County Rd 500 W Rossville, IN 46065		CITIZENSHIP U U.S.A

2. WITNESS NAME Shaun Fogle	WITNESS SIGNATURE 	DATE 09/17/2021
ADDRESS 800 Topsail tree Lafayette IN 47909		CITIZENSHIP USA